

FEATURES

80% AFUE

Heating input range 50,000 - 125,000 BTUH

Cooling capacity supported 1-1/2 through 5 ton

Horizontal left or right application-ready from factory—no field conversion needed

Direct replacement for nearly every competitive horizontal furnace

Approved for attic, closet, basement, crawl space, alcove, garage, and other locations

Electronic air cleaner connection (115V)

Humidifier connection (24V and 115V)

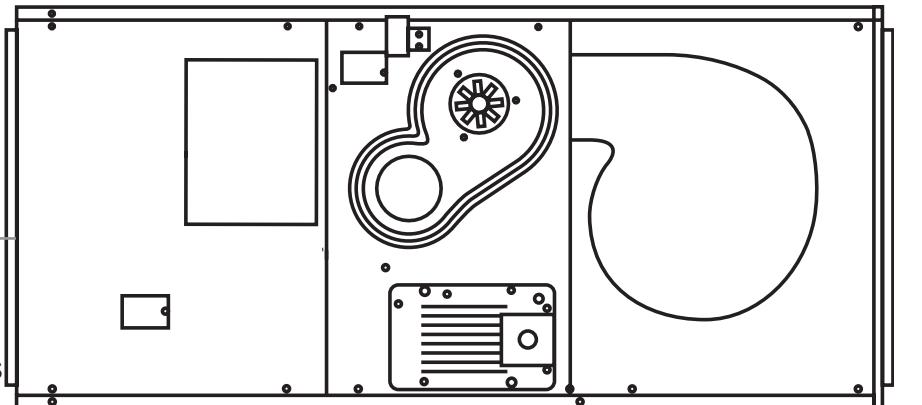
5 amp fuse for low voltage circuit protection

Time delay off for air conditioner SEER enhancement

Ducane Gas Furnace **HORIZONTAL 80™**

WARRANTY

25-year limited warranty on heat exchanger,
5-year limited warranty on covered components
(see warranty certificate for details)



HEAT EXCHANGER ASSEMBLY

Crimp-Tite™ crimped aluminized steel heat exchanger for longer life and safe operation



VENTING

Category I venting

4" vent—vertical or horizontal with approved power venter

Inducer orientation allows for 360° vent connection

CONTROLS

Integrated furnace control with LED diagnostics

Direct spark ignition system

SAFETY

CSA certified for US and Canada

Safety limits prevent overheating

CABINET

Heavy gauge, insulated cabinet provides strength and quiet comfort

BLOWER

3 speed PSC motors

Ducane®
**AIR CONDITIONING
AND HEATING**

THE DIFFERENCE IS QUALITY

www.ducanehvac.com



Ducane Gas Furnace
HORIZONTAL 80™
UNIT SPECIFICATIONS

	FPBB050A3B	FPBB075A3B	FPBB100A4B	FPBB125A5B
GAS	NATURAL (LP with conversion kit)			
INPUT RATE (BTU per Hour)	50,000	75,000	100,000	125,000
HEATING CAPACITY (BTU per Hour)	40,000	61,000	81,000	101,000
AFUE (ISOLATED COMB. SYSTEM)			80%	
TEMPERATURE RISE	30 - 60 F		40 - 70 F	
VOLTS / PHASE / HERTZ		115 /1/ 60		
STATIC PRESSURE (CERTIFIED MAX)			0.50" W.C.	
BLOWER MOTOR HORSEPOWER		1/3	1/2	3/4
BLOWER WHEEL (DIA. X WIDTH)		10 x 6	12 x 9	12 x 12
NUMBER OF HEAT EXCHANGERS	2	3	4	5
LIMIT CONTROL, SNAP DISK STYLE	150 F	170 F	170 F	150 F
IGNITION CONTROL	DIRECT SPARK			
TRANSFORMER	40 VA, 115VAC PRIMARY, 24VAC SECONDARY, FOOT-MOUNTED			
INTEGRATED CONTROL SYSTEM	INTEGRATED FURNACE CONTROL			
SHIPPING DIMENSIONS	54 X 26 X 25 3/4		54 X 29 X 25 3/4	54 X 33 X 25 3/4
SHIPPING WEIGHT	144	153	175	197
MAXIMUM DESIGN OUTLET TEMP.			170 F	
AUXILIARY LIMIT		130 F		140 F

UNIT SPECIFICATIONS HIGH AIR FLOW MODELS

	FPBB075A4B	FPBB100A5B
GAS	NATURAL	
INPUT RATE (BTU per Hour)	75,000	100,000
HEATING CAPACITY (BTU per Hour)	61,000	81,000
AFUE (ISOLATED COMB. SYSTEM)		80%
TEMPERATURE RISE		30 - 60 F
VOLTS/PHASE/HERTZ		115/1/60
STATIC PRESSURE (CERTIFIED MAX)		0.50 "W.C.
BLOWER MOTOR HORSEPOWER	1/2	3/4
BLOWER WHEEL (DIA. X WIDTH)	10 X 6	12 X 9
NUMBER OF HEAT EXCHANGERS	3	4
LIMIT CONTROL, SNAP DISK STYLE	170 F	160 F
IGNITION CONTROL	DIRECT SPARK	
TRANSFORMER	40 VA. 115VAC PRIMARY, 24VAC SECONDARY, FOOT-MOUNTED	
INTEGRATED CONTROL SYSTEM	INTEGRATED FURNACE CONTROL	
SHIPPING DIMENSIONS	54 1/2 X 26 X 25 3/4	54 1/2 X 29 X 25 3/4
SHIPPING WEIGHT	157	183
MAXIMUM DESIGN OUTLET TEMP.		170 F
AUXILIARY LIMIT	130 F	140 F

AIR FLOW DATA

DUCANE MODEL NUMBER	BLOWER SPEED	EXTERNAL STATIC (in. w. c.)									
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
B050A3B (10 X 6 WHEEL) (1/3 HP MOTOR)	LOW MED HIGH	615 925 1570	605 940 1550	595 945 1515	580 935 1470	555 915 1415	525 890 1340	490 850 1255	445 800 1160	395 735 1050	340 665 925
B075A3B (10 X 6 WHEEL) (1/3 HP MOTOR)	LOW MED HIGH	1005 1405 1755	975 1340 1695	940 1280 1635	905 1215 1560	870 1150 1475	835 1085 1385	795 1015 1285	750 945 1170	705 870 1045	665 795 915
B075A4B (10 X 6 WHEEL) (1/2 HP MOTOR)	LOW MED HIGH	1415 1745 1915	1405 1695 1845	1390 1635 1765	1355 1565 1680	1315 1485 1590	1255 1405 1495	1190 1310 1390	1105 1205 1285	1015 1095 1165	905 980 1045
B100A4B (12 X 9 WHEEL) (1/2 HP MOTOR)	LOW MED HIGH	1260 1470 1845	1235 1465 1825	1205 1465 1795	1175 1455 1755	1140 1435 1715	1105 1410 1665	1065 1375 1610	1025 1335 1550	985 1295 1485	940 1240 1410
B100A5B (12 X 9 WHEEL) (3/4 HP MOTOR)	LOW MED HIGH	1380 1795 2385	1365 1780 2330	1340 1755 2265	1305 1720 2195	1265 1670 2105	1215 1610 2015	1160 1540 1910	1090 1455 1795	1015 1360 1670	925 1255 1535
B125A5B (12 X 12 WHEEL) (3/4 HP MOTOR)	LOW MED HIGH	1420 1815 2215	1390 1770 2175	1355 1720 2130	1315 1665 2080	1270 1610 2020	1220 1550 1960	1165 1490 1890	1110 1425 1815	1045 1356 1735	980 1285 1650

NOTES: 1) Air flow values in cubic feet per minute (CFM), rounded to nearest five (5) CFM

2) Data taken without filters or AC evaporator coil in place

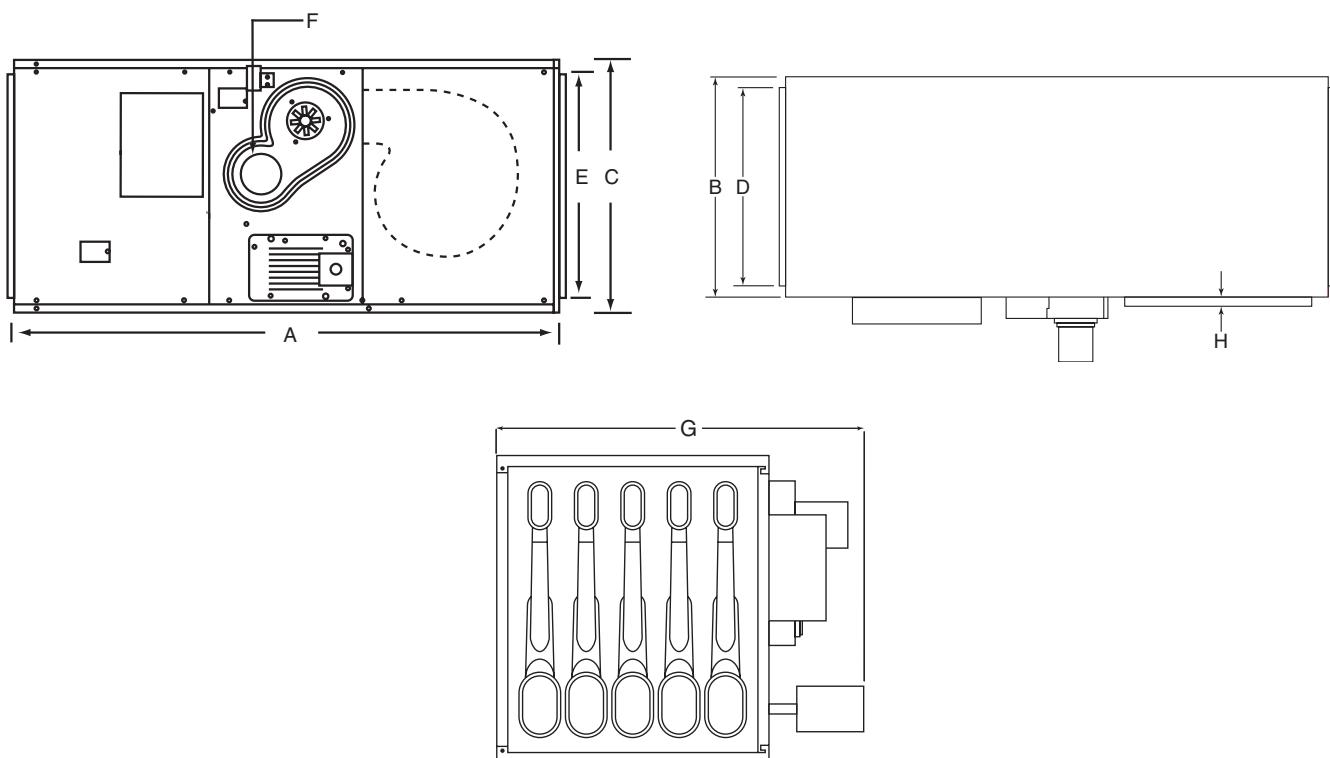
ACCESSORIES

	FPBB050A3B	FPBB075A3B	FPBB075A4B
NATURAL TO LP GAS CONVERSION KIT		20490601	
NATURAL TO LP GAS CONVERSION KIT HIGH ALTITUDE		20269401	
	FPBB100A4B	FPBB100A5B	FPBB125A5B
NATURAL TO LP GAS CONVERSION KIT		20490601	
NATURAL TO LP GAS CONVERSION KIT HIGH ALTITUDE		20269401	

GENERAL LAYOUT

DUCANE MODEL NUMBER	UNIT DIMENSIONS			SUPPLY AND RETURN DUCT OPENINGS		FLUE DIA.	OVERALL DIMENSIONS	BLOWER DOOR	MAX. UNIT AMPS	UNIT WT. LBS.
	LENGTH	WIDTH	HEIGHT	D	E					
FPBB050A3B	50	13 1/2	23 1/8	11 5/8	21 3/8	4	19 1/2	FLUSH	8.3	112
FPBB075A3B	50	13 1/2	23 1/8	11 5/8	21 3/8	4	19 1/2	FLUSH	9.9	121
FPBB075A4B	50	13 1/2	23 1/8	11 5/8	21 3/8	4	19 1/2	1	11.7	121
FPBB100A4B	50	17	23 1/8	15 1/8	21 3/8	4	23	FLUSH	9.9	141
FPBB100A5B	50	17	23 1/8	15 1/8	21 3/8	4	23	1	13.1	141
FPBB125A5B	50	20 1/2	23 1/8	18 5/8	21 3/8	4	26 1/2	FLUSH	11.7	161

NOTE: Dimensions are in inches



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For more information, contact your local Ducane distributor.

DUE TO OUR POLICY OF CONTINUOUS IMPROVEMENT,
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.